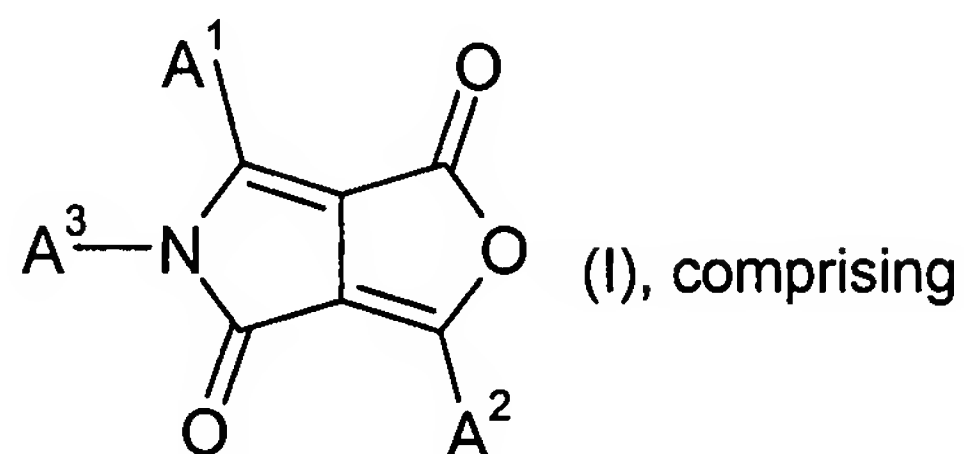
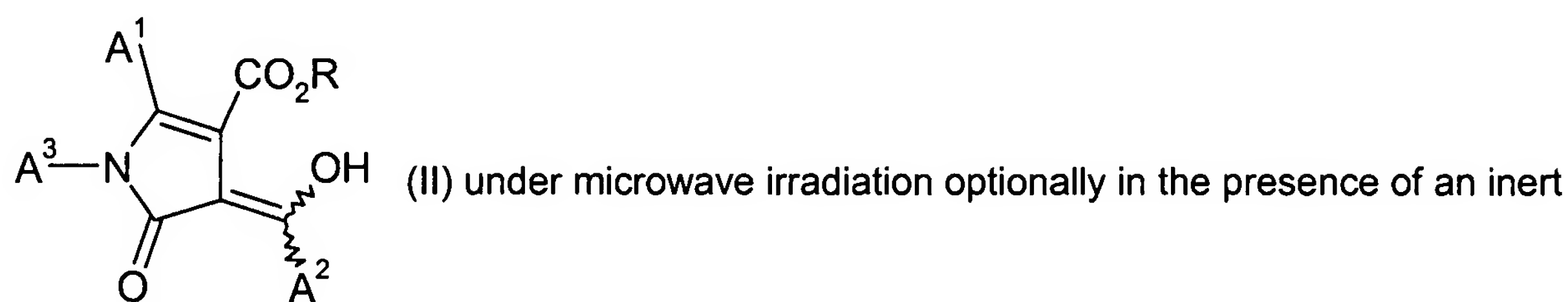


In the claims:

1. (previously presented) A process for the preparation of fuopyrroles of the general formula



(a) heating a compound of the formula



solvent,

wherein A¹ and A² are C₁-C₁₈alkyl, C₂-C₁₈alkenyl, C₂-C₁₈alkynyl, C₅-C₈cycloalkyl, C₅-C₈cycloalkenyl, aryl or heteroaryl,

A³ is hydrogen, C₁-C₁₈alkyl, cyanomethyl, Ar³, -CR³⁰R³¹-(CH₂)ₘ-Ar³ or Y-R³², wherein R³⁰ and R³¹ independently of each other stand for hydrogen or C₁-C₄alkyl, or phenyl which can be substituted up to three times with C₁-C₄alkyl,

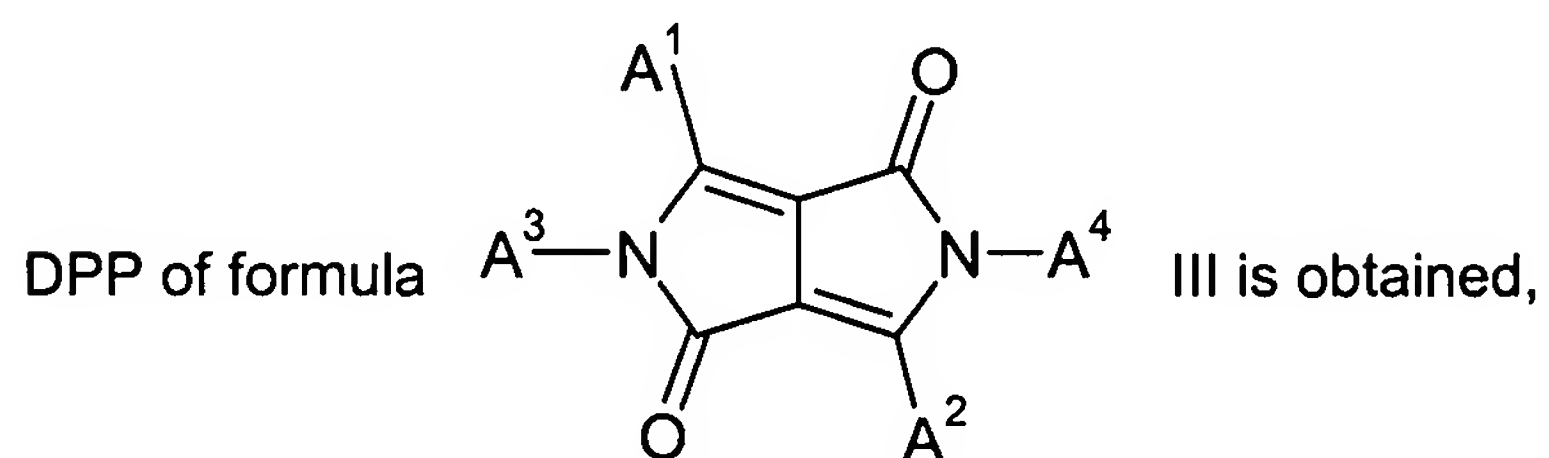
Ar³ stands for aryl, C₅-C₈cycloalkyl, C₅-C₈cycloalkenyl or heteroaryl, which can be substituted one to three times with C₁-C₈alkyl, C₁-C₈alkoxy, halogen or phenyl, which can be substituted with C₁-C₈alkyl or C₁-C₈alkoxy one to three times, and m stands for 0, 1, 2, 3 or 4,

R is C₁-C₁₈alkyl, aryl, or aralkyl, in which can be substituted one to three times with C₁-C₈alkyl, C₁-C₈alkoxy, or halogen,

Y is -C(O)-, -C(O)O-, -C(O)NH-, -SO₂NH- or -SO₂- and

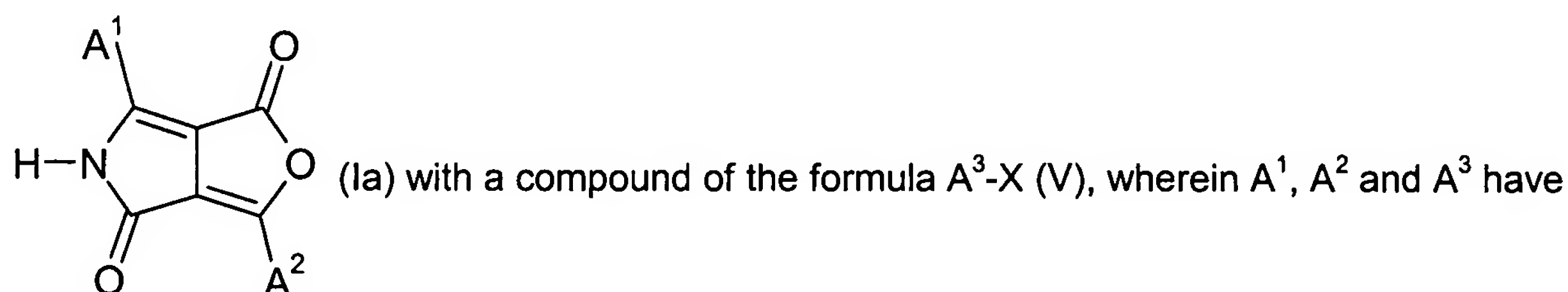
R³² is C₁-C₁₈alkyl, Ar³, or aralkyl.

2. **(previously presented)** The process according to claim 1, comprising in addition reacting a compound of formula I with a primary amine of the formula A^4-NH_2 (IV), wherein a



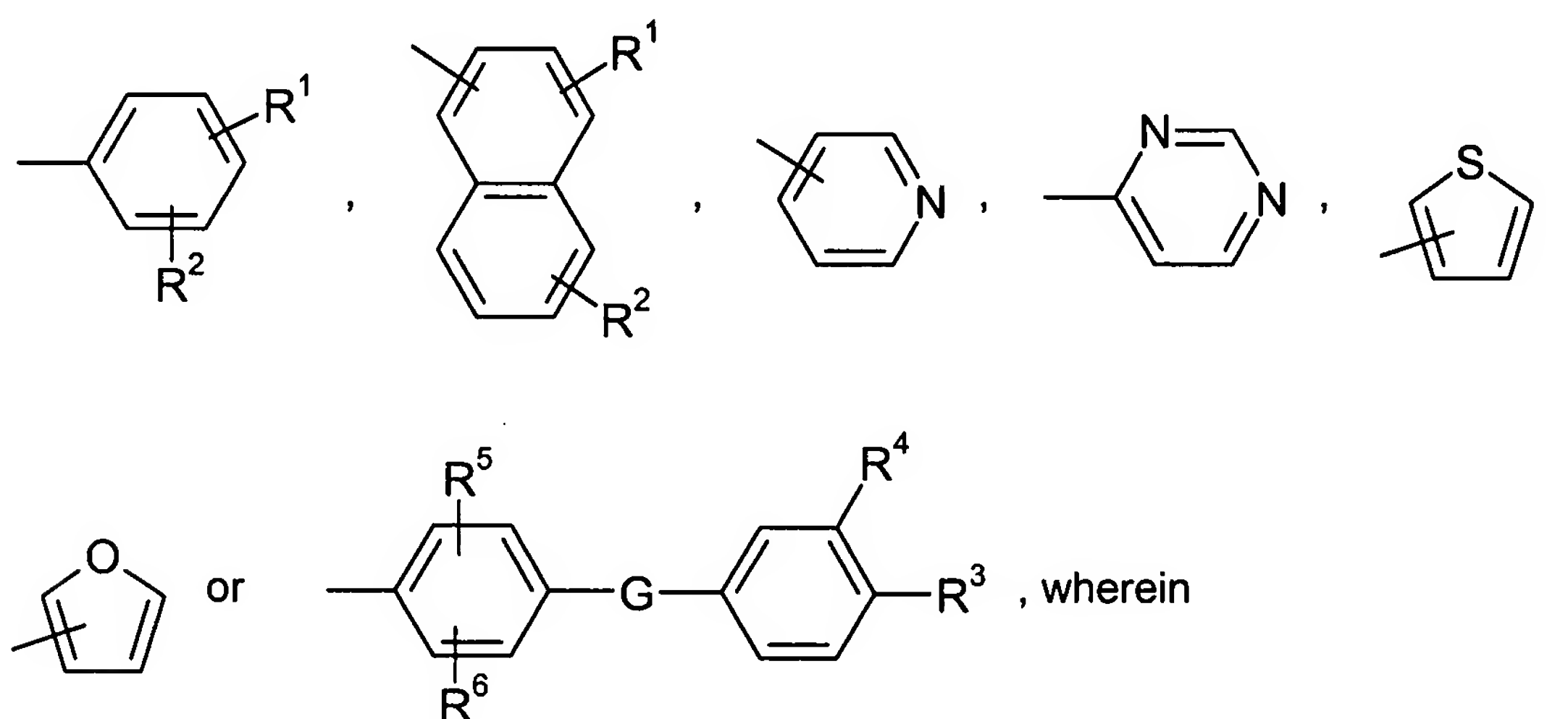
wherein A^4 is C_1-C_{18} alkyl or Ar^3 , wherein Ar^3 , A^1 , A^2 and A^3 are defined as in claim 1.

3. **(original)** The process according to claim 1, wherein the compound of the formula I, wherein A^3 is different from a hydrogen atom, is obtained by reacting a compound of the formula

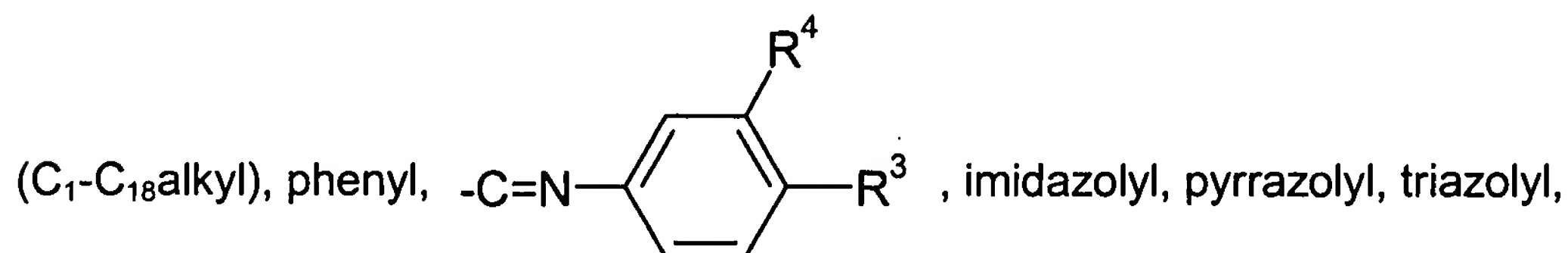


the meanings as given in claim 1 and X is a leaving group.

4. **(previously presented)** The process according to claim 1, wherein A^1 and A^2 are radicals of the formula



R^1 and R^2 are independently of each other hydrogen, halogen, C_1 - C_{18} alkyl, C_1 - C_{18} alkoxy, C_1 - C_{18} alkylmercapto, C_1 - C_{18} alkylamino, C_1 - C_{18} alkoxycarbonyl, C_1 - C_{18} alkylaminocarbonyl, -CN, - NO_2 , trifluoromethyl, C_5 - C_8 cycloalkyl, -C=N-

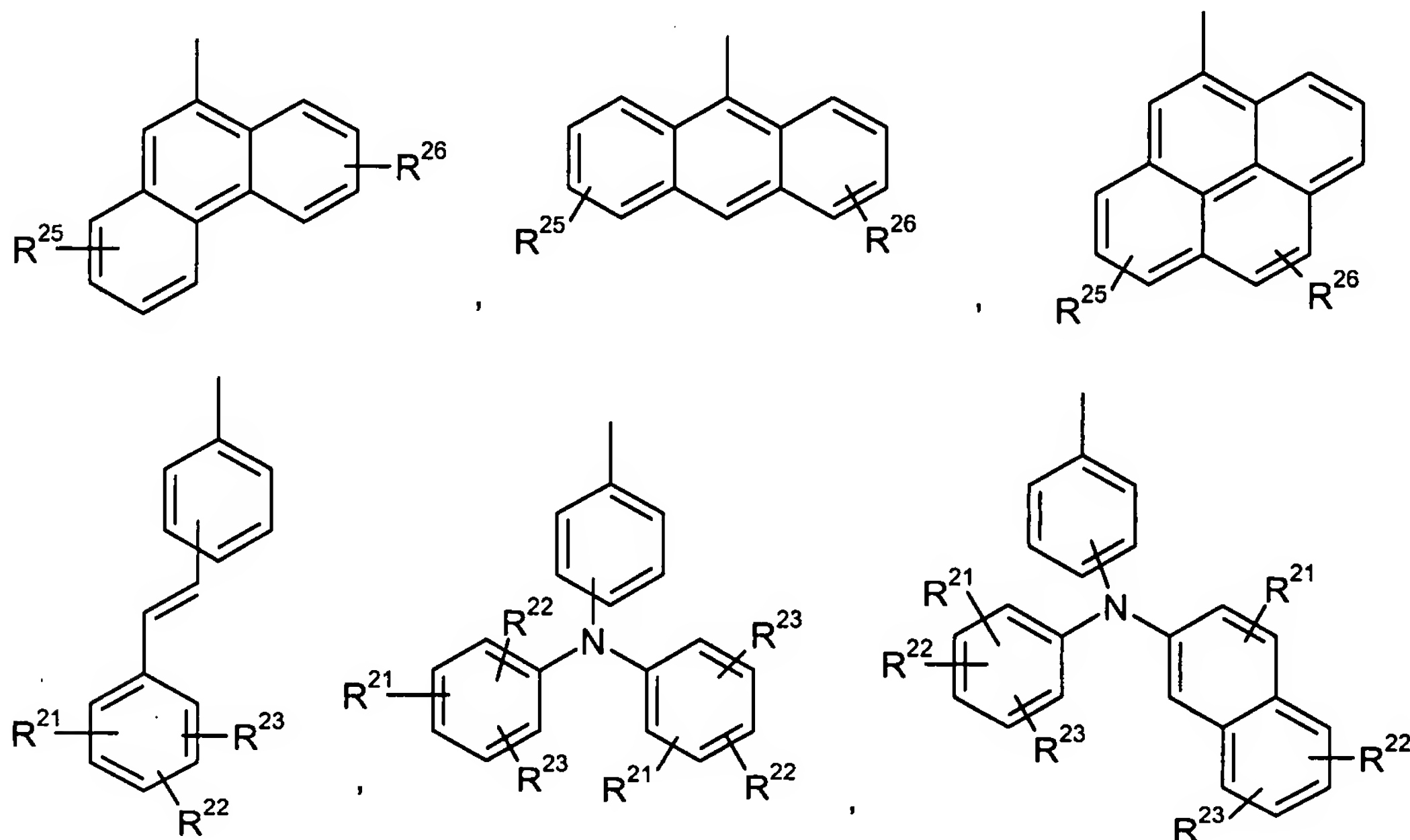


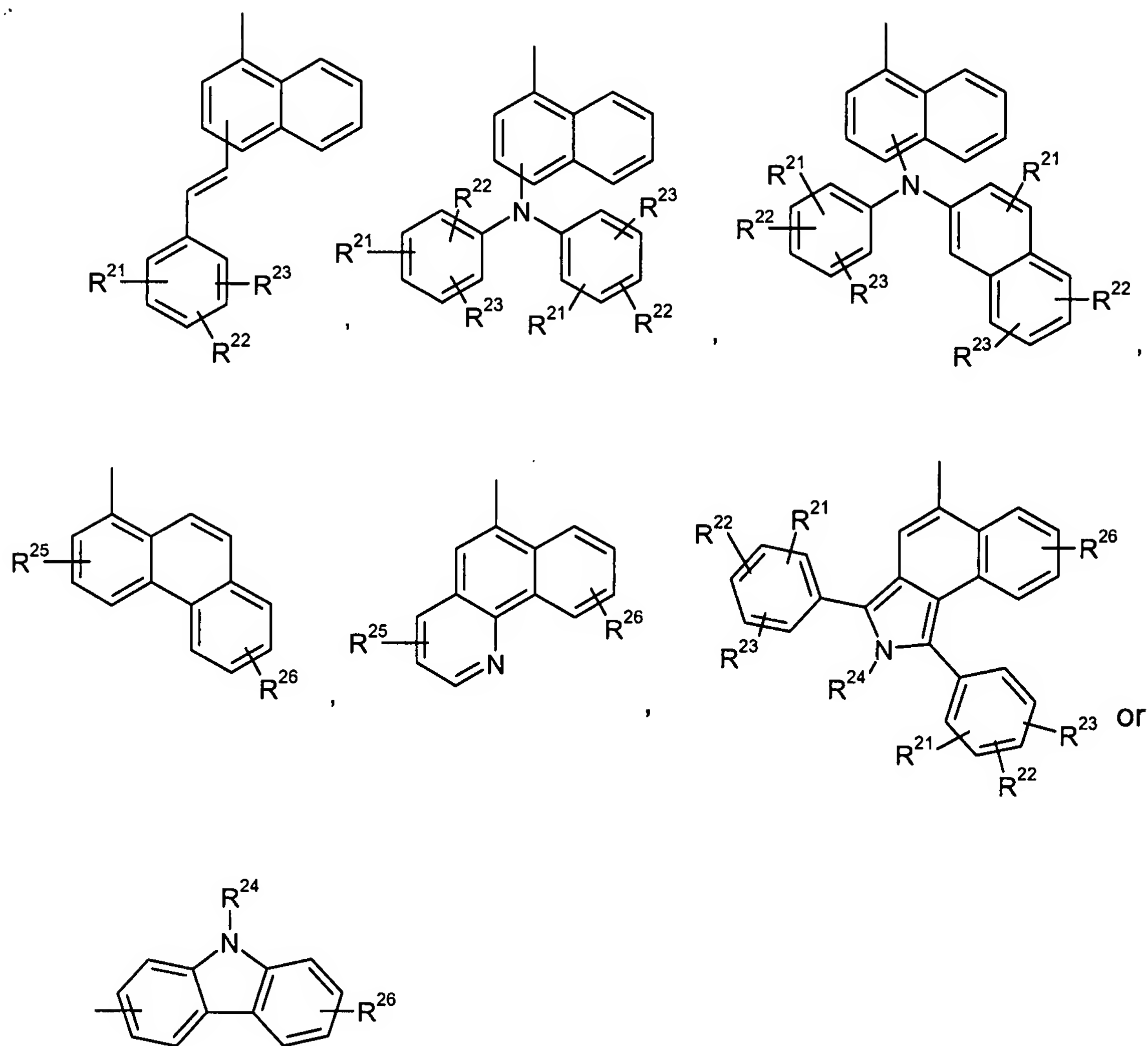
piperazinyl, pyrrolyl, oxazolyl, benzoxazolyl, benzothiazolyl, benzimidazolyl, morpholinyl, piperidinyl or pyrrolidinyl, $-CONX^5X^6$, $-C(O)OX^7$ or $-SO_2X^9$; wherein X^5 and X^6 are hydrogen, linear or branched C_{1-10} -alkyl, C_{5-10} -cycloalkyl or C_{6-10} -aryl, X^7 is hydrogen, linear or branched C_{1-10} -alkyl, C_{5-10} -cycloalkyl or C_{6-10} -aryl, X^9 is hydrogen, linear or branched C_{1-10} -alkyl, C_{5-10} -cycloalkyl, C_{7-10} -aralkyl, C_{6-10} -aryl or $-NX^{10}X^{11}$, wherein X^{10} and X^{11} are hydrogen, linear or branched C_{1-10} -alkyl, C_{7-10} -aralkyl or C_{6-10} -aryl,

G is $-CH_2-$, $-CH(CH_3)-$, $-C(CH_3)_2-$, $-CH=N-$, $-N=N-$, $-O-$, $-S-$, $-SO-$, $-SO_2-$, $-SO_2NH-$, $-CONH-$ or $-NR^7-$,

R^3 and R^4 are independently of each other hydrogen, halogen, C_1 - C_6 alkyl, C_1 - C_{18} alkoxy or -CN, R^5 and R^6 are independently of each other hydrogen, halogen or C_1 - C_6 alkyl, and R^7 is hydrogen or C_1 - C_6 alkyl;

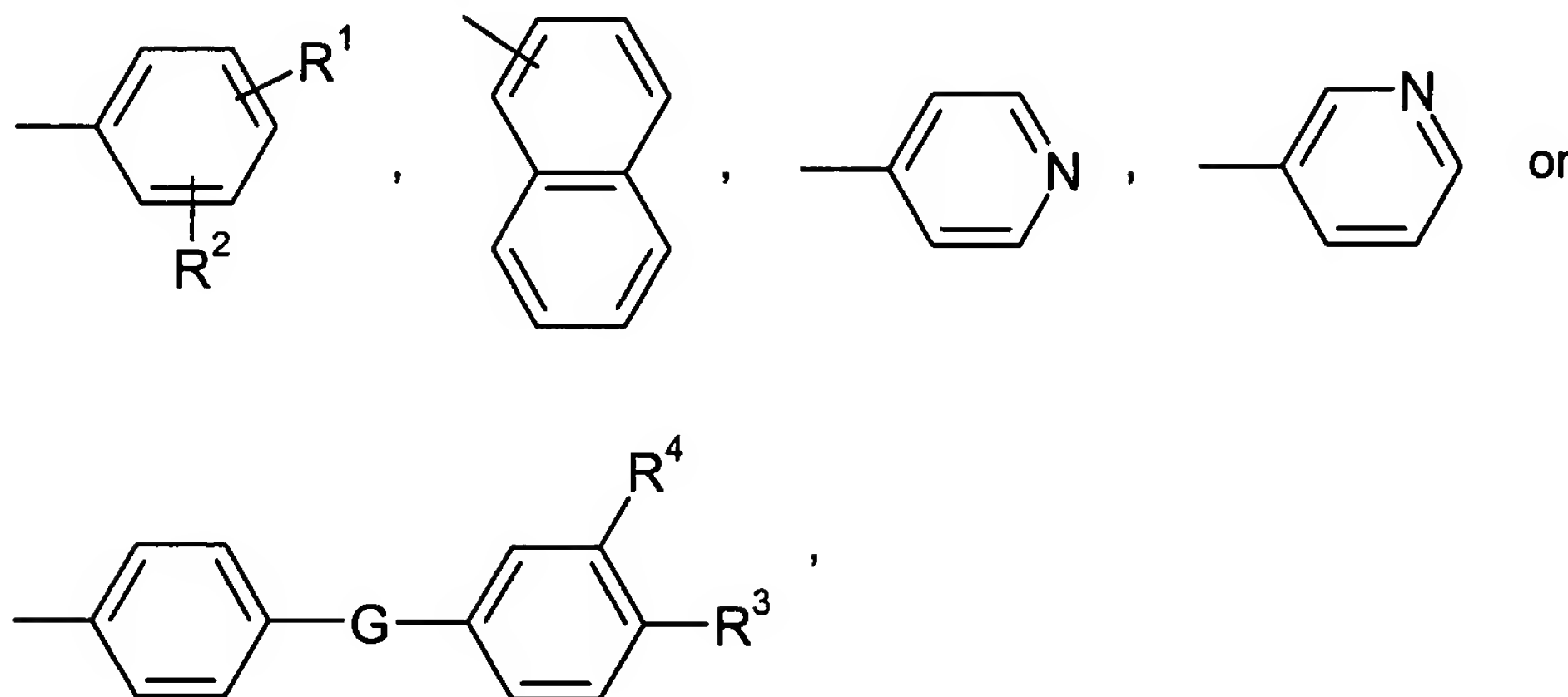
or A^1 and A^2 are radicals of the formula





wherein R²¹, R²², R²³, R²⁵ and R²⁶ are independently of each other hydrogen, C₁-C₈alkyl, a hydroxyl group, a mercapto group, C₁-C₈alkoxy, C₁-C₈alkylthio, halogen, halo-C₁-C₈alkyl, a cyano group, an aldehyde group, a ketone group, a carboxyl group, an ester group, a carbamoyl group, an amino group, a nitro group, a silyl group or a siloxanyl group and R²⁴ is a C₁-C₆alkyl group.

5. (original) The process according to claim 4, wherein A¹ and A² are radicals of the formula



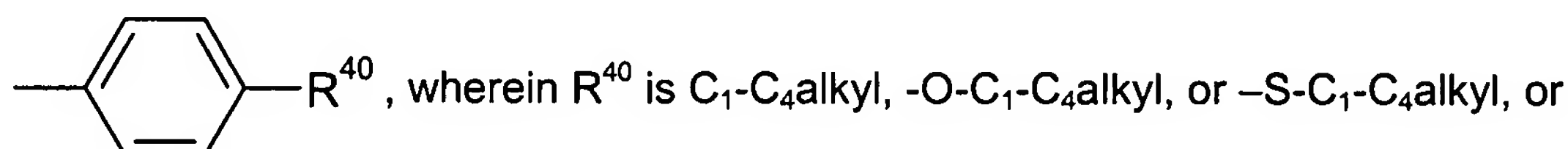
wherein R¹ and R² are independently of each other hydrogen, chloro, bromo, C₁-C₄alkyl, C₁-C₆alkoxy, C₁-C₆alkylamino, phenyl or CN,

G is -O-, -NR⁷-, -N=N- or -SO₂- ,

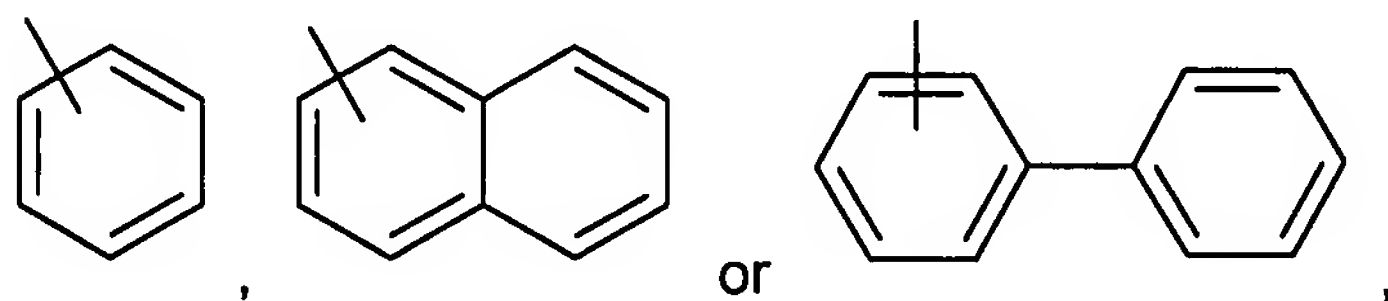
R³ and R⁴ are hydrogen, and

R⁷ is hydrogen, methyl or ethyl.

6. (previously presented) The process according to claim 4 or 5, wherein A³ is cyanomethyl, C₁-C₈alkyl, Y-R³² wherein Y is -C(O)- and R³² is

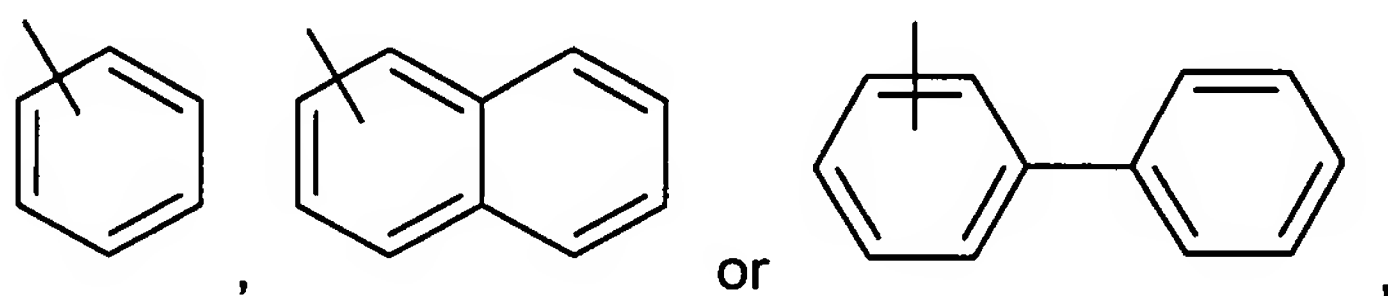


-(CH₂)_m-Ar wherein m is 1 and Ar is a group of the formula



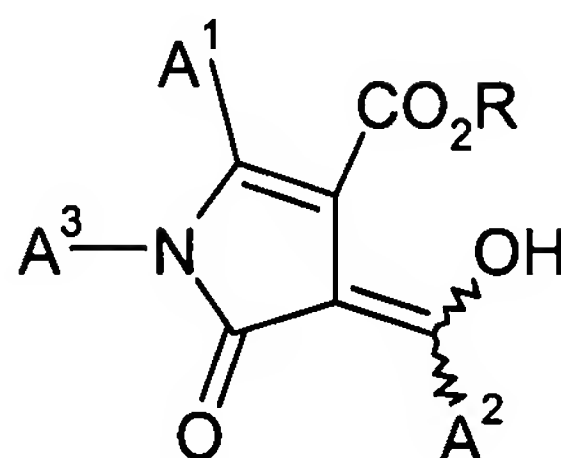
which can be substituted one to three times with C₁-C₈alkyl, C₁-C₈alkoxy, halogen or phenyl.

7. (previously presented) The process according to claim 4, wherein A⁴ is



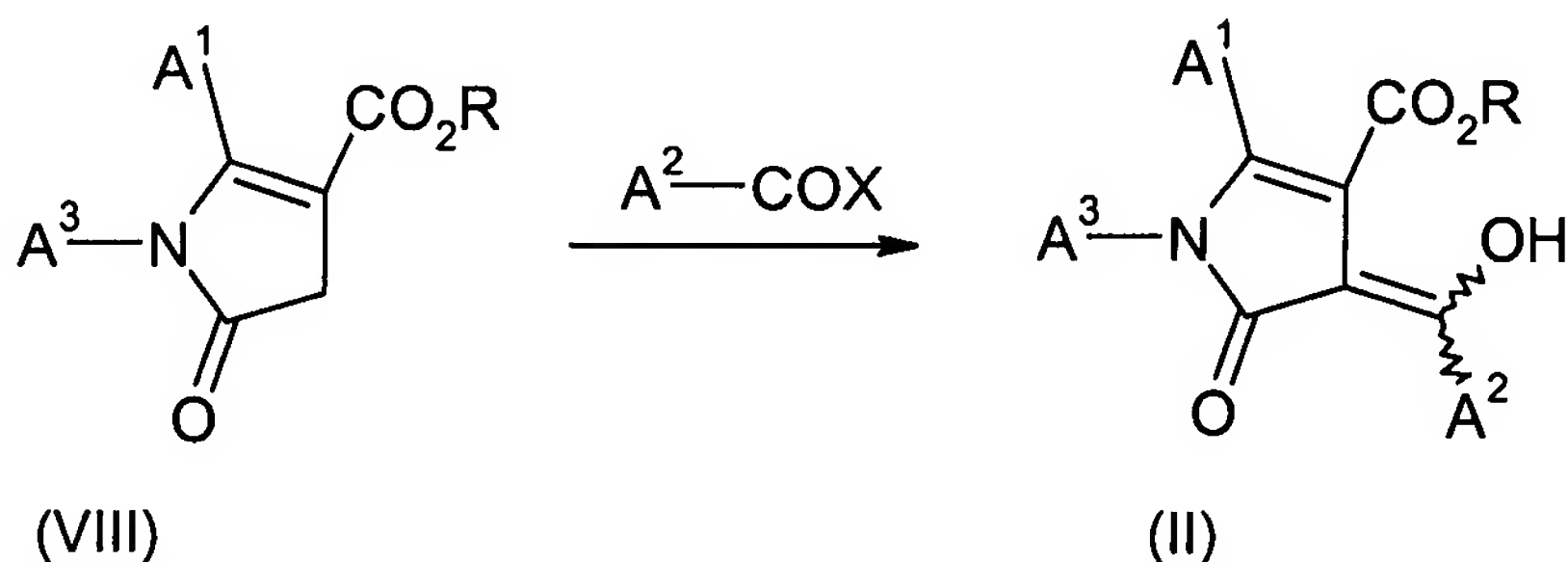
which can be substituted one to three times with C₁-C₈alkyl, C₁-C₈alkoxy, halogen or phenyl.

8. (previously presented) The process according to claim 1, wherein the starting compound of formula (II)



(II)

is obtained by reacting a compound of formula (VIII) with an acyl halide $A^2 - \text{COX}$:

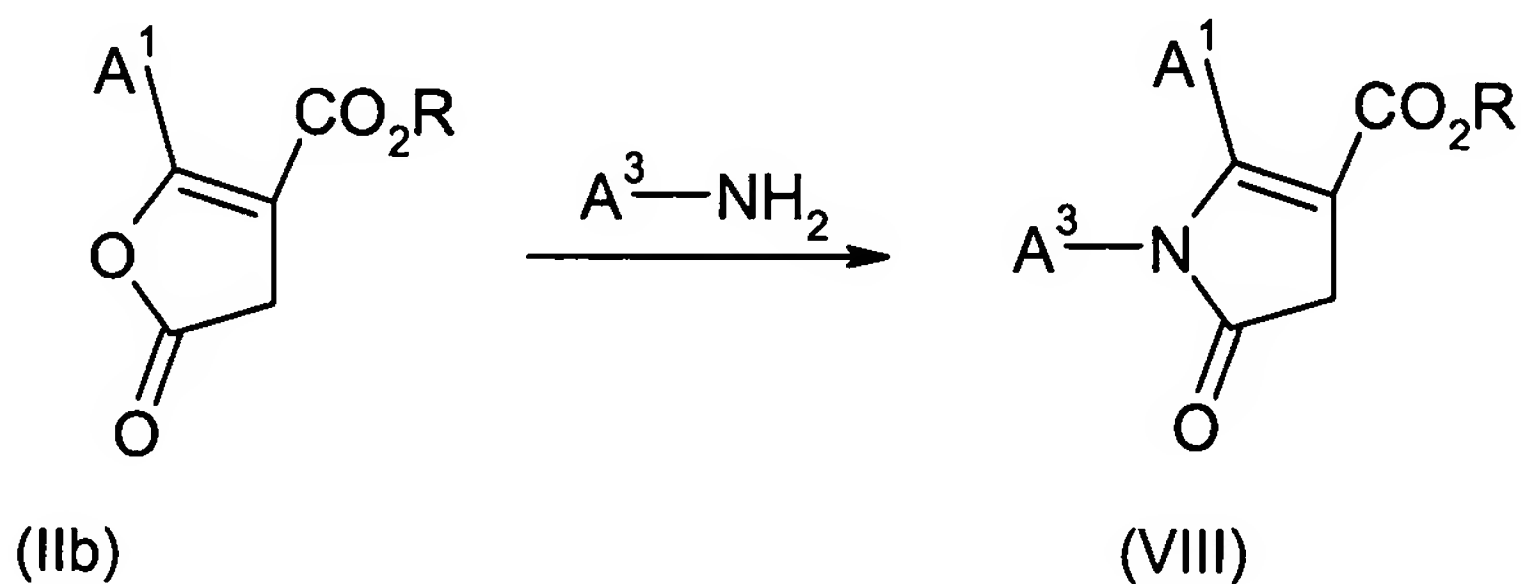


(VIII)

(II)

wherein R, A^1 and A^2 have the same meaning as given in claim 1, A^3 is aryl, and X is halogen.

9. (original): The process according to claim 8, wherein the compound of formula (VIII) is obtained by reacting a compound of formula (IIb) with an amine $A^3 - \text{NH}_2$:



(IIb)

(VIII)

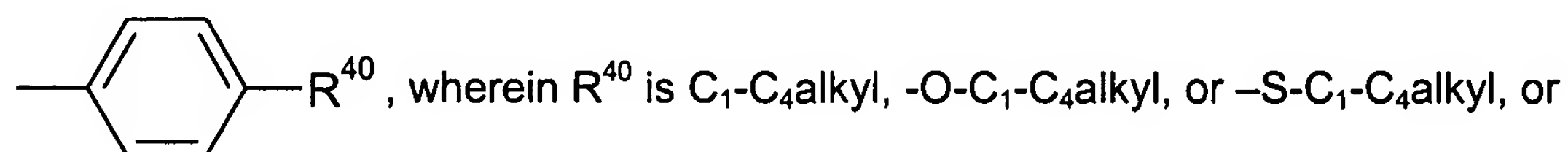
wherein R and A^1 have the same meaning as given in claim 1 and A^3 is aryl

10. (previously presented) The process according to claim 8, wherein $A^2 - \text{COX}$ is benzoyl chloride and $A^3 - \text{NH}_2$ is aniline.

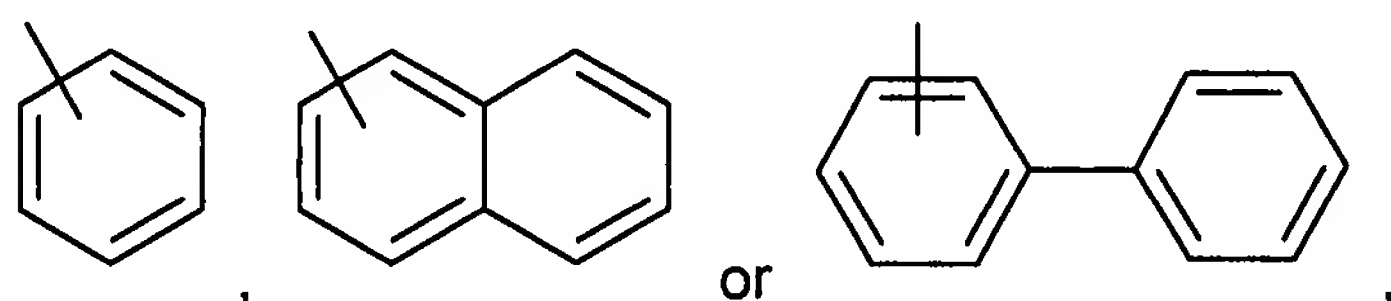
11-12 (canceled)

13. (previously presented) A process according to claim 1, wherein R is C₁-C₄alkyl, phenyl, or benzyl, which can be substituted one to three times with C₁-C₈alkyl, C₁-C₈alkoxy, or halogen.

14. (previously presented) A process according to claim 5, wherein A³ is cyanomethyl, C₁-C₈alkyl, Y-R³² wherein Y is -C(O)- and R³² is



-(CH₂)_m-Ar wherein m is 1 and Ar is a group of the formula



which can be substituted one to three times with C₁-C₈alkyl, C₁-C₈alkoxy, halogen or phenyl.